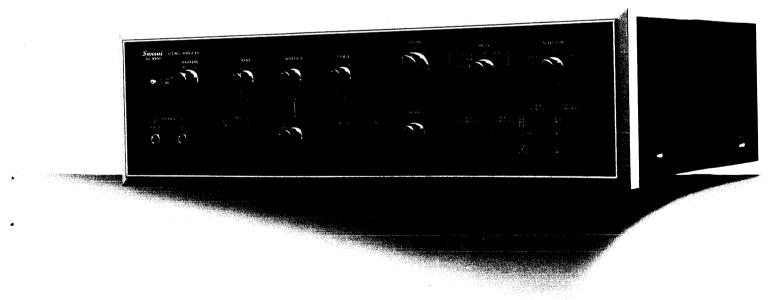
SERVICE MANUAL

STEREO AMPLIFIER SANSUI AU-8500



Sansui.
SANSUI ELECTRIC CO., LTD.

This service manual is designed for service engineers to repair, adjust, maintain and order the replacement parts of the AU-8500 correctly.

When ordering the parts, use the stock number and parts name specifically referring to the Parts Locations & Parts List.

For general usage and maintenance of the unit, please refer to the Operating Instructions attached with the unit.

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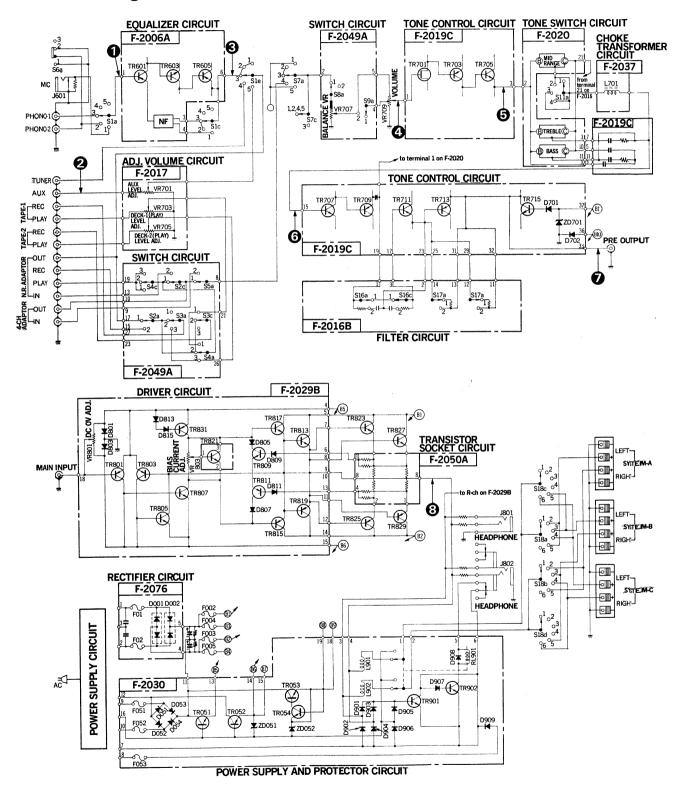
1. SPECIFICATIONS

POWER OUTPUT (at rated distortion)
MUSIC POWER(IHF)240W (4 Ω 1,000Hz)
180W (8Ω 1,000Hz)
CONTINUOUS POWER (each channel driven)
110/110W (4Ω 1,000Hz)
70/ 70W (8Ω 1,000Hz)
CONTINUOUS POWER (both channel driven)
90 + 90W (4 Ω 1,000Hz) 64+64W (8 Ω 1,000Hz)
$60+60W (8\Omega 20 \text{ to } 20,000\text{Hz})$
•
TOTAL HARMONIC DISTORTION (at rated output)
OVERALL (from AUX) less than 0.1% PRE AMPLIFIER ONLY less than 0.05%
POWER (MAIN) AMPLIFIER ONLYless than 0.1%
INTERMODULATION DISTORTION (at rated output 70Hz:7,000Hz=4:1 SMPTE method)
OVERALL (form AUX)less than 0.1%
PRE AMPLIFIER ONLYless than 0.05%
POWER (MAIN) AMPLIFIER ONLY. less than 0.1%
POWER BANDWIDTH (IHF, each channel driven at
rated distortion)5 to 40,000Hz
FREQUENCY RESPONSE (power output at 1W)
OVERALL (from AUX)15 to 30,000Hz +0.2 dB
POWER (MAIN) AMPLIFIER ONLY
•
3 to 50,0000Hz ⁺⁰ _{-1.0} dB
RIAA CURVE DEVAITION
PHONO-1, 230 to 15,000Hz \pm 0.5dB
LOAD IMPEDANCE4 to 16Ω
DAMPING FACTOR50 (8 Ω)
INPUT SENSITIVITY AND IMPEDANCE (at 1,000Hz)
PHONO-12.5mV $50k\Omega$
PHONO-22.5mV $30k\Omega$, $50k\Omega$, $100k\Omega$
(adjustable)
Max. input capability 300mV (THD: less than 0.5%)
MIC2.5mV 50kΩ
TUNER100mV 50kΩ
AUX100mV $50k\Omega$ (input level adjustable)
TAPE DECK-1, 2 (PIN)100mV 50k Ω (input level
abjustable)
TAPE DECK-2 (DIN)100mV $50k\Omega$
4-CH. ADAPTOR100mV 50 kΩ
N.R. ADAPTOR100mV $50k\Omega$
POWER (MAIN) INPUT800mV $50k\Omega$
OUTPUT LEVEL AND IMPEDANCE (at 1,000Hz)
TAPE DECK-1, 2 (PIN) 100mV 1.5k Ω
TAPE DECK-2 (DIN)30mV 70k Ω
4-CH. ADAPTOR100mV 1.5k Ω
N.R. ADAPTOR100mV 1.5k Ω
PRE OUTPUT800mV 1.5kΩ
Max. output level5V (THD less than 0.5%)

CROSSTALK (rated output at 1,000Hz)
PHONO-1, 2better than 50dB
MICbetter than 50dB
TUNERbetter than 50dB
AUXbetter than 50dB
MAIN INPUTbetter than 60dB
HUM AND NOISE (IHF)
PHONO-1, 2better than 75dB
MICbetter than 65dB
TUNER better than 85dB
AUXbetter than 85dB
MAIN INPUTbetter than 100dB
CONTROLS
BASS±15dB at 20Hz
MIDRANGE ± 5dB at 1,500Hz
Midrange tone selector
DEFEAT 750Hz, 1.5kHz, 3kHz
TREBLE ±15dB at 20,000Hz
LOUNDNESS (volume control: –30dB)
+10dB at 50Hz
+ 8dB at 10,000Hz
LOW FILTER
HIGH FILTER – 3dB at 12,000Hz (12dB/oct.)
OTHERS
SEMICONDUCTORS
TRANSISTORS58
FETs 2
DIODES33
ZENER DIODES 5
POWER REQUIREMENTS
VOLTAGE100, 110, 117, 127, 220, 230
240, 250V 50/60Hz
CONSUMPTION140W (rated), 450VA (max.)
DIMENSIONS140mm (5 % ") H,
500mm (1911/6") W,
347mm (13 ½ ") D
WEIGHT20.5 kg (45.2 lbs)
* Design and sepecifications subject to change without notice for improvements.

2. BLOCK DIAGRAM AND LEVEL DIAGRAM

2-1. Block Diagram



2-2. Level Diagram

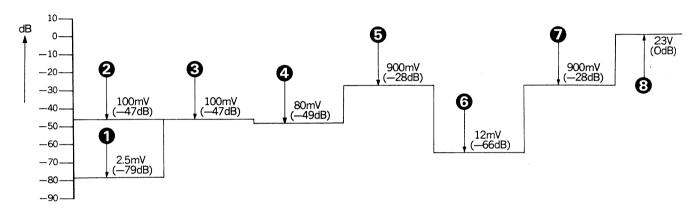
*Each number (1, 2, 3..) indicated in Level Diagram undermentioned corresponds to the number in Block

- 1. MASTER VOLUME controlMaximum
- 2. BASS, MIDRANGE, TREBLE, BALANCE

volume controlCenter

- 3. Input......PHONO-1 2.5mV 1kHz Sine Wave AUX-1 100mV 1kHz Sine Wave (output impedance of 600Ω at an audio oscillator)
- 4. Output23V (66W) 8Ω

Note: Each voltage value is for reference and measured by a VTVM. In some recorders, the actual voltage value is in minor difference from the reference value.



S1-a∼f SELECTOR

- 1. MIC
- 2. PHONO-2
- 3. PHONO-1
- 4. TUNER
- 5. AUX
- S2-a~d N.R. ADAPTOR 1. OUT
 - 2. IN

S3-a~d TAPE TO TAPE REPRINT

- 1. DECK-1▶2
- 2. SOURCE RECORD
- 3. DECK-2▶1

S4-a~d TAPE MONITOR

- 1. PLAYBACK DECK-1
- 2. SOURCE
- 3. PLAYBACK DECK-2

S5-a, b 4-CH. ADAPTOR

- 1. OUT
- 2. IN

S6-a, b PHONO PICKUP LOAD

- 1. $30k\Omega$
- 2. $50k\Omega$ 3. $100k\Omega$

- S7-a∼c MODE
 - 1. STEREO REVERSE
 - 2. STEREO NORMAL 3. MONO L+R
 - 4. MONO L
 - 5. MONO R

S8-a, b MUTING

- 1. NORMAL
- 2. 20dB

S9-a, b LOUDNESS

- 1. OUT
- 2. IN

\$10-a, b MIDRANGE CONTROL

- $1\sim$ 5. CUT
- FLAT
- $7\sim$ 11. BOOST

S11-a, b MIDRANGE SELECTOR

- 1. DEFEAT
- 2. 750Hz
- 3. 15kHz
- 4. 3kHz

\$12-a, b TREBLE CONTROL

- $1\sim$ 5. CUT
- FLAT
- $7\sim$ 11. BOOST

S14-a, b BASS CONTROL

- $1\sim$ 5. CUT
- 6. FLAT
- $7\sim$ 11. BOOST

S16-a∼d LOW FILTER

- 1. OUT
- 2. IN

S17-a∼d HIGH FILTER

- 1. OUT
- 2. IN

S18-a~e POWER and SPEAKER

- 1. POWER OFF 5. A+B6. A+C
- 3. B
- 4. C

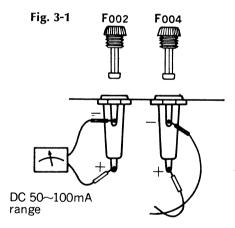
3. ADJUSTMENTS

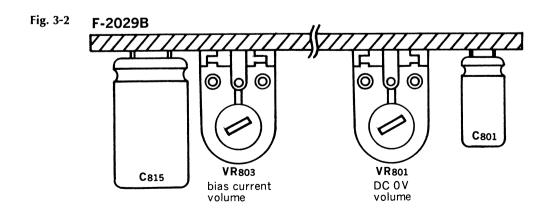
3-1. Driver Circuit Board Adjustment (See Figs. 3-1 and 3-2)

Note: 1. Master Volume......Minimum

- 2. Make the SP terminal free (no load).
- 3. Confirm the AC Power Supply voltage.
- 4. For adjustment, run the unit for more than 3 minutes after the power is switched on.
- 5. After adjustment, run the unit for more than 5 minutes, then check and readjust necessary.
- 6. Room temperature should be 18~28°C (65~83°F) for bias current adjustment.

STEP	SUBJECT	EQUIPMENT	MEASURE OUTPUT	ADJUST	ADJUST FOR	CONDITION
1	DC 0V L-ch	DC volt meter	F-2029B terminal 9 (left side board)	F-2029B VR801 (left side board)	0V	Step down meter's range accordingly
2	DC 0V R-ch	Same as above	F-2029B terminal 9 (right side board)	F-2029B VR801 (right side board)	Same as above	Same as above
3	Bias current L-ch	DC milliammeter	F002 Fig. 3-1	F-2029B VR803 (left side board)	40mA	o Step down meter's range accordingly
4	Bias current R-ch	Same as above	F004 Fig. 3-1	F-2029B VR803 (right side board)	Same as above	Same as above





4. TROUBLESHOOTING CHART

4-1. Troubleshooting on Power Supply Section

Symptom **Check Point** Cause & What to Do 1. No power supplied to each section 1-1. Indicator lamp for power not lighted- Imperfect contact of power supply cord -2. Imperfect contact of power switch S₁₈₈ -3. Power fuse F₀₀₁ open -4. Quick Acting fuse F₀₀₆ open -5. Indicator lamp for power PL₀₀₁ open -6. Defective power transformer 1-2. Indicator lamp for power lighted -1) ± 43 V not supplied to collector on each power transistor (TR₈₂₃, TR₈₂₇ + 43V, TR₈₂₅, TR₈₂₉ - 43V)--7. Defective D₀₀₁, D₀₀₂ on F-2074 $-8. F_{002}, F_{004} (F_{003}, F_{005})$ open -2) +61V not supplied to terminal 13 on F-2030-–9. F₀₅₁, F₀₅₂ on F-2030 open -10. Defective D₀₅₈, D₀₅₄ on F-2030 -11. Defective TR₀₅₁ on F-2030 -3) -60V not supplied to terminal $\boxed{14}$ on F-2030-–12. F₀₅₁, F₀₅₂ on F-2030 open -13. Defective D₀₅₁, D₀₅₂ on F-2030 -14. Defective TR₀₅₂ on F-2030 -4) +45V not supplied to terminal [19] on F-2030--15. F₀₅₁, F₀₅₂ on F-2030 open -16. Defective D₀₅₃, D₀₅₄ on F-2030 -17. Defective TR₀₅₈ on F-2030 4-2. Troubleshooting on Protector Section 1. Protector circuit inoperative (In case center voltage on power section is over 2.5V) -1. Defective D₉₀₁ ~ D₉₀₆ on F-2030 -2. Defective TR₉₀₁ on F-2030 4-3. Troubleshooting on Audio Section 1. No sound from both speakers -1. F₅₀₈ on F-2030 open -2. Defective D₉₀₉ on F-2030 -3. Imperfect contact of headphonejack (J_{802}) -4. Defective RL₉₀₁ on F-2030 -5. Defective TR₉₀₂ on F-2030 -6. Defective D₉₀₇ on F-2030 2. Both channels inoperative -7. Defective power supply section (See 4-1.) -8. Defective protector circuit (See \-2.) Protector circuit operates by thede fection of power amp. section (See4. or 5.)

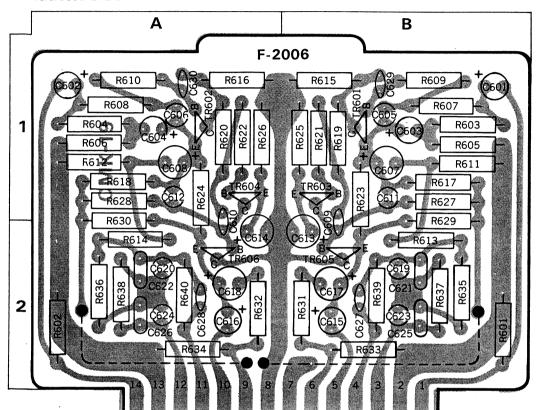
3. One channel inoperative

	Symptom	Check Point		Cause & What to Do
3-1.	Set MODE switch to L+	·R		
	———1) Both channels	operative ——————	10.	Tape deck or tuner connected into this set has faulty
			<u>└</u> 11.	Defective F-2006A (PHONO position only)
	2) One channel	inoperative		
	•	verse L and Rch at PRE OUT, AIN IN		
	_	——1) R and Lch sound revers	es12.	Defective F-2019C in Pre-amp.
	L	2) No sound at all	13.	Defective Pre-amp. or F-2029A in Mainamp.
4. (Quick Acting Fuses	not open		
		pplied to collector on each powers, $TR_{827} + 43V$, TR_{825} , $TR_{829} - 43V$		Defective power supply section (See 4-1.)
5. (Quick Acting Fuses	open		
	1) After replacer	ment, fuse not open	1 5.	Set the bias current to 40mA
	2) After replacer	ment, fuse open again	1 16.	Defective TR ₈₂₃ , TR ₈₂₇ on F-2050A
			1 7.	Defective TR ₈₂₅ , TR ₈₂₉ on F-2050A
			18.	Defective TR ₈₁₇ , TR ₈₁₉ on F-2029B
			19.	Defective TR ₈₀₉ , TR ₈₁₅ on F-2029B
			20.	Defective TR ₈₃₁ on F-2029B
			<u>└</u> 21.	Defective TR ₈₀₁ , TR ₈₀₃ on F-2029B

5. PARTS LOCATIONS AND PARTS LIST

5-1. F-2006A Equalizer Circuit Board (Stock No. 7550490 Complete Circuit Board F-2006A)

Conductor Side





2SA726 2SC1313

Parts List

Parts No.	Stock No.	Description	Position
T R601	0300410, 1	2SA726 (R) (F, G)	1 B
T R602	0300410,1	2SA726 (R) (F, G)	1 A
T R603	0306070, 1	2SC1313 (R) (F, G)	1 B
T R604	0306070, 1	2SC1313 (R) (F, G)	1 A
T R605	0300101,2	2SA561 (Y, GR)	2 B
T R606	0300101,2	2SA561 (Y, GR)	2 A
C601	0510101	1 μF 50V)	1 B
C602	0519101	$1 \mu F$ 50V $\Big _{F.C.}$	1 A
C603	0511100	10μF 10V (E.C.	1 B
C604	0511100	10 <i>μ</i> F 10V)	1 A
C 605	0660151	$150 pF$ $\pm 10\%$ 50V C.C.	1 B
C606	0660151	150pF) ±10% 50V C.C.	1 A
C607	0510470	$47 \mu F$ 6.3V E.C.	1 B
C608	0510470	$47\mu\text{F}$ 8.3V E.C.	1 A
C609	0660100	$10pF$ $\pm 0.5 PF 50V C.C.$	12, B
C 610	0660100	10pf) 10.5 FF 30V C.C.	12, A
C611	0620331	$\frac{330pF}{\pm 5\%}$ P.C.	1 A
C612	0620331	330pf) - 5/6 7.C.	1 B
C 613	0510470	$\{47\mu\text{F}\}$ 6.3V E.C.	2 A
C ₆₁₄	0510470	47 μF	2 B
C ₆₁₅	0515479	4.7 μ F \	2 A
C616	0515479	4.7 μF 50V E.C.	2 B
C617	0519102	3.3μ F $\left.\right\}$	2 A
C ₆₁₈	0519102	3.3 <i>μ</i> F)	2 B

Parts No.	Stock No.	Descripti	on		Position
C619	0600126	0.0012μF)			2 B
C620	0600126	0.0012μF	5011		2 A
C621	0600806	$0.008 \mu F \pm 5\%$	50∨	M.C.	2 B
C622	0600806	0.008μF)			2 A
C623	0620471	470pF)	5 0 V		2 B
C624	0620471	$\frac{470pF}{470pF} \pm 5\%$		P.C.	2 A
C625	0600226	0.0022μF)	50∨	M.C.	2 B
C626	0600226	$0.0022\mu F$ $\pm 5\%$			2 A
C629	0660470	47nF)			1 B
C630	0660470	$47pF$ $\pm 10\%$	50∨	C.C.	1 A
R601	0107104	100k Ω)			2 B
R602	0107104	100kΩ			2 A
R603	0107104	100kΩ	1 /		1 B
R604	0107104	$100k\Omega (\pm 5\%)$	1/4 W	C.R.	1 A
R605	0107473	47kΩ			1 B
R606	0107473	47kΩ)			1 A
	Figure community of the	- Abbreviations	no non	to be	contiuned

C.R.	:	Carbon Resistor	BP.E.C	.:	Bi-Pola Electrolytic
S.R.	:	Solid Resistor			Capacitor
Ce.R.	:	Cement Resistor	C.C.	:	Ceramic Capa citor
M.R.	:	Metallized Film	Mi.C.	:	Mica Capacitor
		Resistor	O.C.	:	Oil Capacitor
M.C.	:	Mylar Capacitor	P.C.	:	Polystyrene C apacitor
E.C.	:	Electrolytic Capacitor	T.C.	:	Tantalum Capacitor

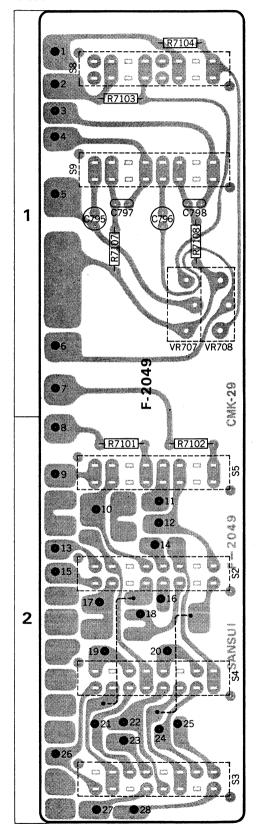
F-2006A Parts List

Parts No.	Stock No.		Descripti	ion		Position
R607	0107222	2.2kΩ \				1 B
R 608	0107222	2.2k Ω				1 A
R609	0107221	220 Ω				1 B
R610	0107221	220 Ω				1 A
R611	0107821	820 Ω				1 B
R612	0107821	820 Ω				1 A
R 613	0107331	330 Ω				2 B
R614	0107331	330Ω				1,2A
R615	0107223	22k Ω				1 B
R616	0107223	22k Ω				1 A
R617	0107684	680k Ω				1 B
R 618	0107684	680k Ω				1 A
R 619	0107561	560 Ω				1 B
R620	0107561	560 Ω				1 A
R621	0107561	560 Ω				1 B
R622	0107561	560 Ω				1 A
R623	0107824	820k Ω		1/14/	~ •	1,2B
R624	0107824	820k Ω	± 5%	1/4 W	C.R.	1,2A
R625	0107272	2.7k Ω				1 B
R626	0107272	2.7k Ω				1 A
R627	0107823	82k Ω				1 B
R628	0107823	82k Ω				1 A
R629	0107562	5.6k Ω				1,2B
R630	0107562	5.6k Ω				1,2A
R631	0107152	1.5k Ω				2 B
R632	0107152	1.5k Ω				2 A
R633	0107104	100k Ω				2 B
R634	0107104	100k Ω				2 A
R635	0107564	560k Ω				2 B
R636	0107564	560k Ω				2 A
R 637	0107273	27k Ω				2 B
R 638	0107273	27k Ω				2 A
R639	0107333	33k Ω				2 B
R64 0	0107333	33k Ω ,)			2 A

5-2. F-2049A Switch Circuit Board

(Stock No. 7591810 Complete Circuit Board F-2049A)

Conductor Side



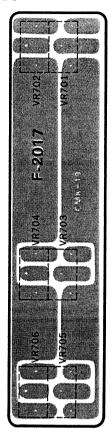
Parts List

Parts No.	Stock No.	Description	Position
C795	0620431	430pF) + 58/ 50/ P.G	1
C796	0620431	$\frac{430p^{c}}{430p^{c}}$ ± 5% 50V P.C.	1
C797	0600247	$0.024 \mu F$ } ± 5% 50V M.C.	1
C ₇₉₈	0600247	$0.024 \mu F$ ± 5% 50V M.C.	1
R 7101	0107123	12k Ω)	2
R 7102	0107123	12kΩ	2
R7103	0107824	820k Ω \pm 5% $\frac{1}{4}$ W C.R.	1
R7104	0107824	$820k\Omega$ $\pm 5\%$ $\frac{1}{4}$ W C.R.	1
R 7107	0107223	22kΩ	1
R 7108	0107223	22k Ω	1
VR 707, 708	1010870,1	250k Ω (MN) $ imes$ 2 BALANCE	1
\$2	1170300	Lever Switch, noise reduction adaptar	2
S ₃	1170290	Lever Switch, tape to tape reprint	2
S4	1170290	Lever Switch, tape monitor	2
S ₅	1170300	Lever Switch, 4-ch adaptor	2
S8	1170270	Lever Switch, muting	1
S9	1170270	Lever Switch, loudness	1

5-3. F-2017 Adjusting Volume Circuit Board

(Stock No. 7591360 Complete Circuit Board F-2017)

Conductor Side



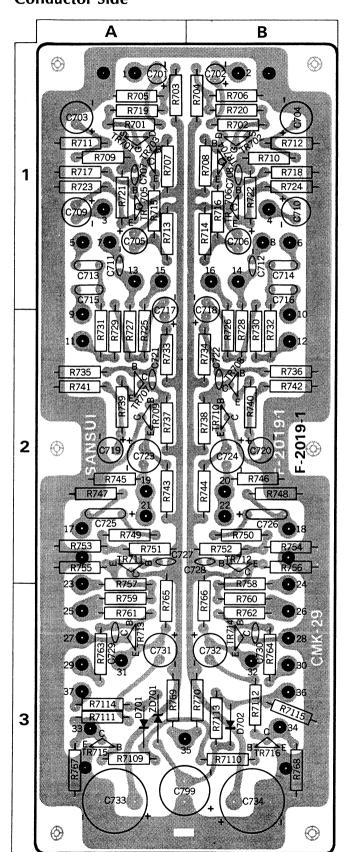
Parts List

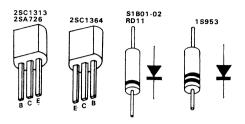
Parts No.	Stock No.	Descr		
VR701,2	1015060	250kΩ (B)×2	AUX Level Adj.	
VR703,4	1015060	250k Ω (B) $ imes$ 2	DECK-1 (PLAY)	Level Adj.
VR705,6	1015060	250k Ω (B) $ imes$ 2	DECK-2 (PLAY)	Level Adj.

----Abbreviations

C.R.	:	Carbon Resistor	BP.E.C	:.:	Bi-Pola Electrolytic
S.R.	:	Solid Resistor			Capacitor
Ce.R.	:	Cement Resistor	C.C.	:	Ceramic Capa€itor
M.R.	:	Metallized Film	Mi.C.	:	Mica Capacito r
		Resistor	O.C.	:	Oil Capacitor
M.C.	:	Mylar Capacitor	P.C.	:	Polystyrene Capacitor
E.C.	:	Electrolytic Capacitor	T.C.	:	Tantalum Cap acitor

5-4. F-2019C Tone Control Circuit Board (Stock No. 7560730 Complete Circirit Board F-2019C) **Conductor Side**





Parts List

Parts No.	Stock No.	Description	Position
TR701	0370102	2SK30 (Y) } FET	1 A
TR702	0370102	2SK30 (Y) } FET	1 B
TR703	0300410, 1	2SA726® (F, G) լ	1 A
TR704	0300410, 1	2SA726® (F, G)	1 B
TR705	0306070, 1	2SC1313® (F, G)	1 A
TR706	0306070, 1	2SC1313® (F, G)	1 B
TR707	0306070, 1	2SC1313® (F, G)	2A
T R708	0306070, 1	2SC1313® (F, G)	2 B
T R 709	0300410, 1	2SA726® (F, G) (Transistor	2 A
T R710	0300410, 1	2SA726® (F, G) { 11d1is1s10f	2 B
T R711	0306070, 1	2SC1313® (F, G)	2A
T R712	0306070, 1	2SC1313® (F, G)	2B
T R713	0300410, 1	2SA726® (F, G)	3 A
TR714	0300410, 1	2SA726® (F, G)	3 B
TR715	0306131, 2	2SC1364 (6, 7)	3 A
TR716	0306131, 2	2SC1364 (6, 7)	3 B
D 701	0311050	18953	3A
D702	0311150	S1B01-02 Ciode	3 B
ZD701	0315260	RDIIA (M)	3A
C701	0601158	0.15μF)	1 A
C ₇₀₂	0601158	$0.15\mu F$ $\pm 10\%$ 50V M.C.	1 B
C703	0512470	47μF 16V)	1 A
C704	0512470	47μF 16V	1 B
C705	0510470	47μ F 6.3V E.C.	1 A
C706	0510470	47 μF 6.3V	1 B
C707	0660100	10 pF)	1 A
C708	0660100	10pF $\pm 0.5 \text{pF}$ 50V C.C.	1 B
C709	0519106	4.7 ((F)	1.A
C710	0519106	$4.7\mu\text{F}$ 50 \forall E.C.	1 B
C711	0600186	0.0018µF)	1 A
C712	0600186	0.0018μF	1.8
C 713	0600477	0.047,45	1 A
C714	0600477	$0.047 \mu F$ $\pm 5 \%$ 50V M.C.	13
C715	0600477	0.047 μF	1 A
C716	0600477	0.047 µF	1 B
C717	0519105	2.2 <i>μ</i> F 50V)	1,2 A
C718	0519105	2.2 µF 50V	1.2 B
C719	0510470	47μF 6.3V (E.C.	2 \
C720	0510470	47 µF 6.3V	23
C721	0660100	10 nF)	2 \
C722	0660100	$\frac{10 \text{pF}}{10 \text{pF}}$ $\pm 0.5 \text{pF}$ 50V C.C.	23
C723	0519106	4.7 µF 50V)	2 \
C724	0519106	4.7μ F 50V E.C.	23
C725	0601228	0.22 (F)	2 \
C726	0601228	$0.22\mu F$ $\pm 10\%$ 50V M.C.	23

Parts List

Parts No.	No. Stock No. Description					Position
C ₇₂₇	0660220) 22 p	F		1	2 A
C ₇₂₈	0660220	\ 22p	E±10%	50V (c.c.	2 B
C ₇₂₉	0660470	47 p	F - 10/0	301	c.c.	3 A
C730	0660470) 47 p	F			3 B
C731	0519106	4.7μ F		50V)		3 A
C732	0519106	4.7 μ F		50٧		2 B
C733	0514221	220 μ F		357 } 1	E.C.	3 A
C734	0514221	220 μ F		35V		3 B
C799	0 513221	220 μ F		25V J		3 A , B
R 701	0107102	1kΩ)				1 A
R702	0107102	lkΩ				1 B
R703	0107104	100kΩ				1 A
R704	0107104	100kΩ				1 B
R705	0107473	47kΩ				1 A
R706	0107473	47kΩ				1 B
R707	0107103	10k <u>.</u> Ω				1 A
R708	0107103	10kΩ				1 B
R709	0107102	lkΩ				1 A
R 710	0107102	lkΩ				1 B
R 711	0107822	8.2kΩ				1 A
R712	0107822	8.2kΩ				1 B
R 713	0107332	3.3kΩ				1 A
R714	0107332	3.3kΩ				1 B
R 715	0107100	10Ω				
R716	0107100	10Ω				1 B
R717	0107473	47kΩ				1 A
R718	0107473	47kΩ				1 B
R719	0107105	1МΩ				1 A
R720	0107105	1ΜΩ				1 B
R721	0107103	10kΩ				1 A
R722	0107103	10kΩ				1 B
R723	0107822	8.2kΩ				1 A
R724	0107822	8.2k Ω				1 B
R ₇₂₅	0107153	15kΩ				1,2A
R726	0107153	15kΩ				1, 2 B
R727	0107152	1.5k Ω) ± 5 %	1/4 W	C.R.	1, 2 A
R728	0107152	1.5kΩ				1, 2 B
R729	0107132	8.2kΩ				1,2 A
R729 R730	0107822	8.2kΩ				1, 2 B
R730	0107322	3.3 k Ω				1,2B
R731	0107332	$3.3k\Omega$				
		820kΩ				1,2B
R733	0107824 0107824	820kΩ				2 A
R734	0107624	150kΩ				2 B 2 A
R735						
R736	0107154	150kΩ				2 B
R737	0107123	12kΩ				2 A
R738	0107123	12kΩ				2 B
R739	0107121	120Ω				2 A
R740	0107121	120Ω				2 B
R741	0107332	3.3kΩ				2 A
R742	0107332	3.3kΩ				2 B
R743	0107332	3.3kΩ				2 A
R744	0107332	3.3kΩ				2 B
R745	0107124	120k Ω				2 A
R746	0107124	120k Ω				2 B
R747	0107105	1M Ω				2 A
R748	0107105	$1 M\Omega$				2 B
R 749	0107102	lkΩ				2 A
R750	0107102	lkΩ				2 B
R751	0107824	820k Ω				2 A
R ₇₅₂	0107824	820k Ω				2 B
R753	0107105	1ΜΩ				2 A

Parts No.	Stock No. Description					Position
R754	0107105	1ΜΩ`)			2 B
R755	0107683	68k Ω				2 A
R756	0107683	68k Ω				2 B
R757	0107184	180k Ω				2,3B
R758	0107184	180k Ω				2,3B
R759	0107472	4.7k Ω				3 A
R760	0107472	4.7k Ω				3 B
R761	0107123	12k Ω	± 5%	1/4 W	C.R.	3 A
R762	0107123	12k Ω				3 B
R763	0107221	220 Ω				3 A
R764	0107221	220 Ω				3 B
R765	0107822	8.2k Ω				2,3A
R766	0107822	8.2kΩ				2,3B
R767	0107124	120k Ω				3 A
R768	0107124	120kΩ				3 B
R769	0103821	820Ω)		1/14/	<i>~</i> •	
R 770	0103821	820Ω)	± 5 %	$\frac{1}{2}W$	C.R.	3 B
R 7109	0107103	10kΩ)				3 A
R7110	0107103	10k Ω				3 B
R7111	0107152	1.5k Ω	+ = 0/	1/14	~ n	3 A
R7112	0107152	1.5 k Ω	± 5 %	¼W	C.R.	3 B
R7113	0107563	56kΩ				3 B
R7114	0107683	68kΩ				3 A

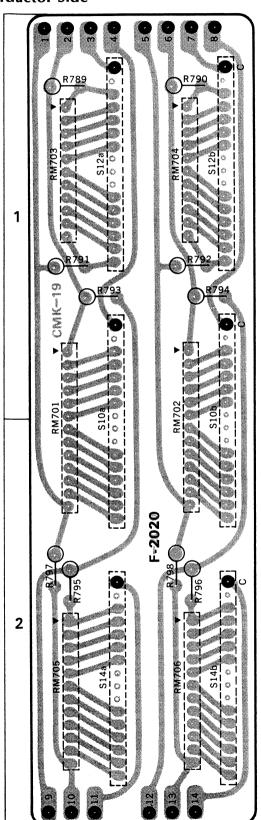
---Abbreviations---

				-	
C.R.	:	Carbon Resistor	BP.E.C	: .:	Bi-Pola Elect rolytic
S.R.	:	Solid Resistor			Capacitor
Ce.R.	:	Cement Resistor	C.C.	:	Ceramic Cap acitor
M.R.	:	Metallized Film	Mi.C.	:	Mica Capacitor
		Resistor	O.C.	:	Oil Capacitor
M.C.	:	Mylar Capacitor	P.C.	:	Polystyrene Capacito
E.C.	:	Electrolytic Capacitor	T.C.	:	Tantalum Ca pacitor

5-5. F-2020 Tone Switch Circuit Board

(Stock No. 7591320 Complete Circuit Board F-2020)

Conductor Side



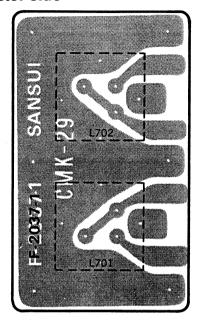
Parts List

Parts No.	Stock No.	Description	Position
R789	0106122	1.2kΩ \	1
R 790	0106122	1.2kΩ	1
R 791	0106152	1.5k Ω	1
R792	0106152	1.5k Ω	1
R793	0106103	10kΩ \ , 5% 1/14 C	.R. 1
R794	0106103	$\frac{10k\Omega}{10k\Omega}$ $\pm 5\%$ $\frac{1}{4}$ W C.	·ĸ. 1
R795	0106272	2.7kΩ	2
R796	0106272	2.7kΩ	2
R797	0106103	10kΩ	2
R 798	0106103	10k Ω)	2
RM 701	0800260	RM-1205)	1,2
RM702	0800260	RM-1205	1,2
RM703	0800250	RM-1006	1
RM704	0800250	RM-1006 CR Composite Part	s 1
RM705	0800240	RM-1104	2
RM706	0800240	RM-1104	2
S 10	1102470	Rotary Switch FP-2-2-11, midra	nge 1,2
S 12	1102470	Rotary Switch FP-2-2-11, treble	1
S 14	1102470	Rotary Switch FP-2-2-11, bass	2

5-6. F-2037-1 Choke Transformer Circuit Board

(Stock No. 7591330 Complete Circuit Board F-2037-1)

Conductor Side



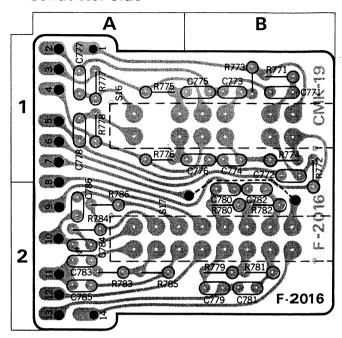
Parts List

Parts No.	Stock No.	Description
L701 L702	4010060 4010060	Choke Transformer

5-7. F-2016C Filter Circuit Board

(Stock No. 7591800 Complete Circuit Board F-2016C)

Conductor Side



Parts List

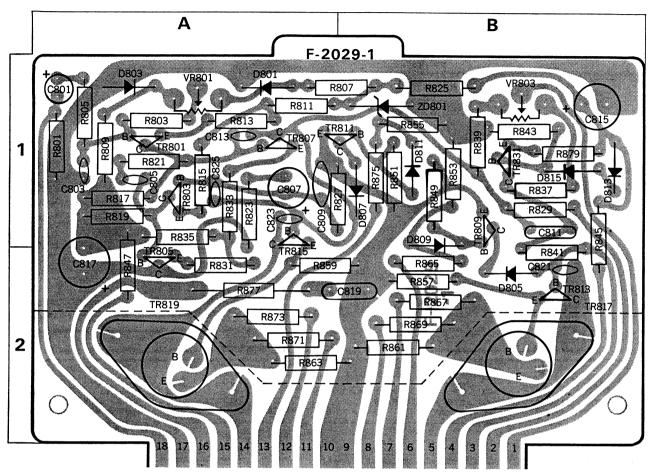
Parts No.	Stock No.	tock No. Description				
C 773	0600247	0.024μF)	1 B			
C774	0600247	0.024 <i>μ</i> F	1 B			
C777	0600107	0.01μF	· 1 A			
C778	0600107	0.01 µF	1 A			
C779	0600246	$0.0024 \mu F$ $\pm 5\%$ 50V	M.C. 2 B			
C780	0600246	0.0024μF	2 B			
C783	0600106	0.001μF	2 A			
C784	0600106	0.001 µF)	2 A			
R 773	0106105	1MΩ)	1 B			
R774	0106105	1ΜΩ	1 B			
R777	0106105	1ΜΩ	1 A			
R 778	0106105	1ΜΩ , 500 1/11	C D 1 A			
R779	0106105	$ M\Omega\rangle \pm 5\% / W$	C.R. E.L.R.) 2 B			
R 780	0106105	1ΜΩ	2 B			
R 783	0106105	1ΜΩ	2 A			
R 784	0106105	1ΜΩ)	2 A			

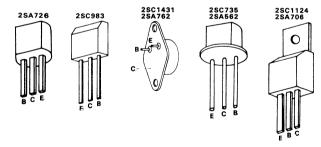
----Abbreviations----

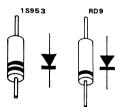
C.R. S.R.	-	Carbon Resistor Solid Resistor	BP.E.C	3.:	Bi-Pola Electrolytic Capacitor
Ce.R. M.R.		Cement Resistor Metallized Film	C.C. Mi.C.	:	Ceramic Capacitor Mica Capacitor
M.C. E.C.		Resistor Mylar Capacitor Electrolytic Capacitor	O.C. P.C. T.C.	:	Oil Capacitor Polystyrene Capacitor Tantalum Capacitor

5-8. F-2029B Driver Circuit Board (Stock No. 7570780 Complete Circuit Board F-2029B)

Conductor Side







Parts List

Parts No.	Stock No.	Des	cription	Position
TR801	0300470, 1	2SA726(W) (F,	. G)]	1.6
TR803	0300470, 1	2SA726(W) (F,	· 1	1 A
TR805	0306021, 2	2SC983 (O, Y	´	2 A
TR807	0306021, 2	2SC983 (O, Y	ó l	1 A
TR809	0305640, 1	2SC735 (O, Y	()	1 B
TR811	0300220, 1	2SA562 (O, Y	Transistor	1 A, B
TR813	0305900, 1	2SC1124 (1,	2)	2 B
TR815	0300480, 1	2SA706-5(1,	2)	1 A
TR817	0306120, 1	2SC1431-1 (1	(, 2)	2 B
TR819	0300570, 1	2SA762-1 (1,	2)	2 A
TR831	0300480, 1	2SA706-5 (1,	2)	1 B
D 801	0311050	15953)		1 A
D803	0311050	15953		1 A
D805	0311050	15953		2 B
D807	0311050	15953		1 B
D809	0311050	15953	iode	1 B
D811	0311050	15953		1 B
D813	0311050	15953		1 B
D815	0311050	15953		1 B
ZD801	0315220	RD9A(M)		1 B

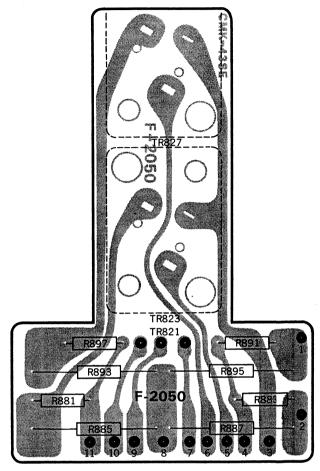
Parts List

Parts No.	Stock No.	D	escripti	on	Position
C801	0519105	2.2 <i>μ</i> F		50V E.C.	1 A
C803	0660330	33pF	±10%	50V C.C.	1 A
C805	0620681	680pF	± 5%	50V P.C.	1 A
C807	0531470	47 μ F		10V BP.E.C.	. 1 A
C809	0660209	2pF	± 5 pF	50V C.C.	1 A
C811	0601108	0.1 μ F	±10%	50V M.C.	1 B
C813	0660100	10pF	\pm 0.5pF	50V C.C.	1 A
C815	0519902	47 μ F		80V) E.C.	1 B
C817	0519902	47 μF		80V) L.C.	1,2A
C819	0601477	$0.047 \mu F$	±10%	50V M.C.	2 A , B
C821	0660150	1 <i>5</i> pF	±10%	50∨)	2 B
C823	0660150	1 <i>5</i> pF	±10%	50V C.C.	1 A
C ₈₂₅	0660509	5pF	±0.5pF	50V)	1 A
R801	0107823	82kΩ)			1 A
R803	0107104	100kΩ			1 A
R805	0107103	10kΩ			1 A
R807	0107822	8.2kΩ			1 A , B
R809	0107473	47kΩ			1 A
R811	0107472	4.7kΩ \	± 5%	1/4 W C.R	. 1 A
R813	0107151	150Ω		, -	1 A
R815	0107151	150Ω			1 A
R 817	0107682	6.8kΩ			1 A
R819	0107682	6.8kΩ			1 A
R821	0107221	220Ω			1 A
R823	0107332	3.3kΩ ∫			1 A
R825	0103822	8.2k Ω	± 5 %	$\frac{1}{2}$ W C.R.	
R827	0107104	100kΩ)			1 A , B
R829	0107820	82Ω (± 5 %	1/4W C.R.	1 B
R831	0107330	33Ω (74	2 A
R833	0107330	33Ω J		1/11/	1 A
R835	0103471	470Ω	± 5%	$\frac{1}{2}$ W C.R.	
R837	0107102	1kΩ)			1 B
R839	0107271	270Ω			1 B
R841	0107560	56Ω			2 B 1 B
R843	0107473	47kΩ (±5%	¼₩ C.R.	1,2B
R845	0107821	820Ω			1,2B
R847	0107331	330Ω			1,26 1 B
R849	0107680	68Ω			1 B
R851	0107680	(Ω86			1 B
R853	0107333	33kΩ)			1 B
R855	0107333	33kΩ (±5%	¼ W C.R.	
R857	0107561	560Ω		, -	2 A , B
R859	0107561 0103470	560Ω)			2 B
R861	0103470	47Ω	± 5%	½W C.R.	
R863	0103470	47Ω) 47Ω	± = 0/	⅓W C.R	
R865	0107479	4.7Ω	± 5 %	⅓W C.R	. 2B
R867		10Ω			2 B
R869	0103100 0103100	10Ω (± 5 %	½W C.R.	
R871	0103100	10Ω 10Ω			2 A
R873	0103100	10Ω)	± 5 %	⅓W C.R.	
R875 R877	0107479	4.7Ω 10Ω	±10%	2 W Ce.R.	
R877	0107121	120Ω	± 5 %	1/4W C.R.	
		-		/-	
∨ R801	1031092	$5k\Omega$ (B)	Semi-Va	riable Resista	1 A
VR803	1031022	200Ω (B)∫	John Tu		" 1 B

5-9. F-2050A Transistor Socket Circuit Board

(Stock No. 7591820 Complete Circuit Board F-2050A)

Conductor Side



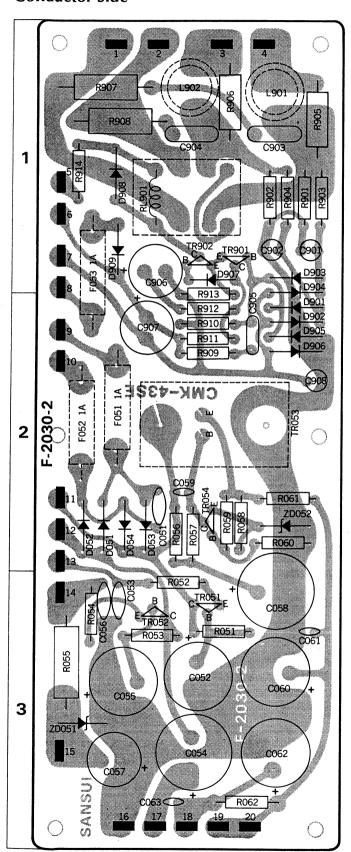
Parts List

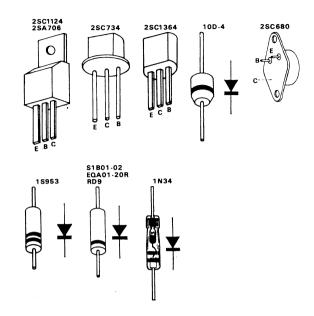
Parts No.	Stock No.	Description				
TR821	0305872	2SC984 (C) Transista				
R881	0107151	150Ω) _ 5%	1/14/	C B		
R883	0107151	150Ω 150Ω $\pm 5\%$	74 VV	C.K.		
R885	0133478	$\left. \begin{array}{l} 0.47\Omega \\ 0.47\Omega \end{array} \right\} \; \pm 10\%$	2 14/	C- D		
R887	0133478	0.47Ω $^{\pm 10}$	3 44	Ce.k.		
R 891	0107151	$150\Omega \pm 5\%$	1/4W	C.R.		
R893	0133478	$\left. \begin{array}{l} 0.47\Omega \\ 0.47\Omega \end{array} \right\} \;\pm 10\%$	2 147	C- D		
R895	0133478	0.47Ω $^{\pm 10\%}$	3 00	Ce.K.		
R897	0107151	$150\Omega \pm 5\%$	¼W	C.R.		
	2030020	Transistor Socket				

---Abbreviations----

C.R. S.R.	-	Carbon Resistor Solid Resistor	BP.E.C	: .:	Bi-Pola Electro lytic Capacitor
Ce.R. M.R.		Cement Resistor Metallized Film			Ceramic Capacitor
Wi.K.	•	Resistor	0.C.		Oil Capacitor
M.C. E.C.		Mylar Capacitor Electrolytic Capacitor	P.C. T.C.		Polystyrene (@pacitor Tantalum Ca)@citor

5-10. F-2030-1 Power & Protector Circuit Board (Stock No. 7500740 Complete Circuit Board F-2030-1) **Conductor Side**





Parts List

Parts No.	Stock No.	Description	Position
TR051	0305901,2	2SC1124 (2, 3) \	3
TR052	0300391,2	2SA706 (2, 3)	3
TR053	0305621,2	2SC680 (B, C)	2
TR054	0305360, 1	2SC734 (O, Y) Transistor	2
TR901	0306131,2	2SC1364 (6, 7)	1
TR902	0306131,2	2SC1364 (6, 7)	Ţ
D051	0310360	10D-4	2
D052	0310360	10D-4	2
D053	0310360	10D-4	2
D054	0310360	10D-4	2
D901	0310401	1N34A	2
D902	0310401	1N34A	2
D903	0310401	1N34A	1
D904	0310401	1N34A Diode	1
D905	0310401	1N34A	2
D906	0310401	1N34A	2
D907	0311050	15953	1
D908	0311150	S1B01-02	1
D909	0311150	S1B01-02	1
ZD051	0315220	RD9A (M)	3
ZD052	0316040	EQA01-20R)	2
L 901	4210190	$1.5\mu H$) $C_{\rm H}$	1
L902	4210190	1.5μH Choke Coil	1
RL901	1150250	MY-2 DC24V Relay	1
C ₀₅₁	0659011	$0.01 \mu F + \frac{80}{20}\%$ 500V C.C.	2
C ₀₅₂	0519301	$100 \mu F$ 75V E.C.	3
C ₀₅₃	0659011	$0.01 \mu F + \frac{80}{20}\%$ 500V C.C.	3
C054	0519302	220 (/F 7.5V)	3
C ₀₅₅	0519301	100μF 75V E.C.	3
C ₀₅₆	0659011	$0.01 \mu F + \frac{80}{20}\%$ 500V C.C.	3
		_20. = ==================================	=

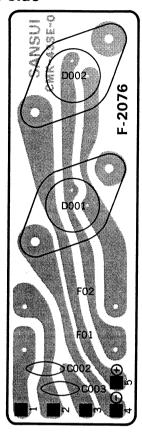
Parts List

Parts No.	Stock No.	Stock No. Description					
C057	0512471	470 <i>μ</i> F		16٧)	E.C.	3	
C 058	0519302	220 μ F		75∀∫	L.C.	3	
C 059	0657102	0.001 μ F	+80% -20%	50 V	C.C.	2	
C ₀₆₀	0515221	220 μ F		50V	E.C.	3	
C 061	0657103	0.01 <i>μ</i> F	+80% -20%	50V	C.C.	3	
C ₀₆₂	0515221	220μF	20	50V	E.C.	3	
C 063	0657103	0.01 <i>μ</i> F	+80 % -20%	50V	C.C.	3	
C901	0531470	47 μF	20	10V)	BP.	1	
C902	0531470	47 μF		100	E.C.	i	
C905	0601338	0.33 <i>μ</i> F	±10%	507	M.C.	2	
C906	0510102	1000μF		6.37)		1	
C907	0515101	100 <i>μ</i> F		50V	E.C.	2	
C 908	0535109	1 <i>μ</i> F		•	BP.E.C.		
R051	0107103	10kΩ)				3	
R052	0107188	68Ω				3	
R053	0107103	10kΩ	± 5%	$\frac{1}{4}$ W	C.R.	3	
R054	0107680	68Ω				3	
R055	0105332	3.3kΩ [°]	± 5%	2 W	C.R.	3	
R056	0107222	$2.2k\Omega$)				2	
R057	0107332	3.3kΩ				2	
R058	0107683	68kΩ \	± 5 %	1/4 W	C.R.	2	
R059	0107562	5.6kΩ				2	
R060	0107472	4.7kΩ)				2	
R061	0107680	Ω 86	± 5%	1∕4W	C.R.	2	
R062	0103471	470 Ω	± 5%	$\frac{1}{2}$ W	C.R.	3	
R 901	0107472	4.7kΩ)				. 1	
R902	0107472	4.7kΩ	± 5 %	¼W	C.R.	1	
R903	0107473	47kΩ (± 3 /0	/4 **	C.K.	1	
R904	0107473	47kΩ)				1	
R905	0104479	4.7Ω∖	± 5 %	1 W	C.R.	1	
R906	0104479	4.7Ω∫	± 3 /0	1 **	C.K.	1	
R909	0107394	390kΩ)				2	
R 910	0107224	220kΩ				2	
R 911	0107683	68kΩ∫	± 5%	1/4 W	C.R.	2	
R912	0107220	22Ω	_ 0 /0	/4 **	C.A.	2	
R913	0107100	10Ω				1,2	
R914	0107100	10Ω)				1	
F ₀₅₁	0432830)				2	
F _{0.52}	0432830	1A Wired	in Fuse			2	
Fo53	0432830	J				1, 2	

5-11. F-2076 Rectifier Circuit Board

(Stock No. 7500860 Complete Circuit Board F-2076)

Conductor Side





Parts List

Parts No.	Stock No.	Description
D001	0311230	1S2724-R (S40R))
D002	0311220	1S2724-R (S40R) 1S2724-R (S40) } Diode
C002	0659011	0.01 µF) +80 g/
C ₀₀₃	0659011	$0.01 \mu\text{F} \atop 0.01 \mu\text{F} = 20\%$ 500V C.C.

----Abbreviations----

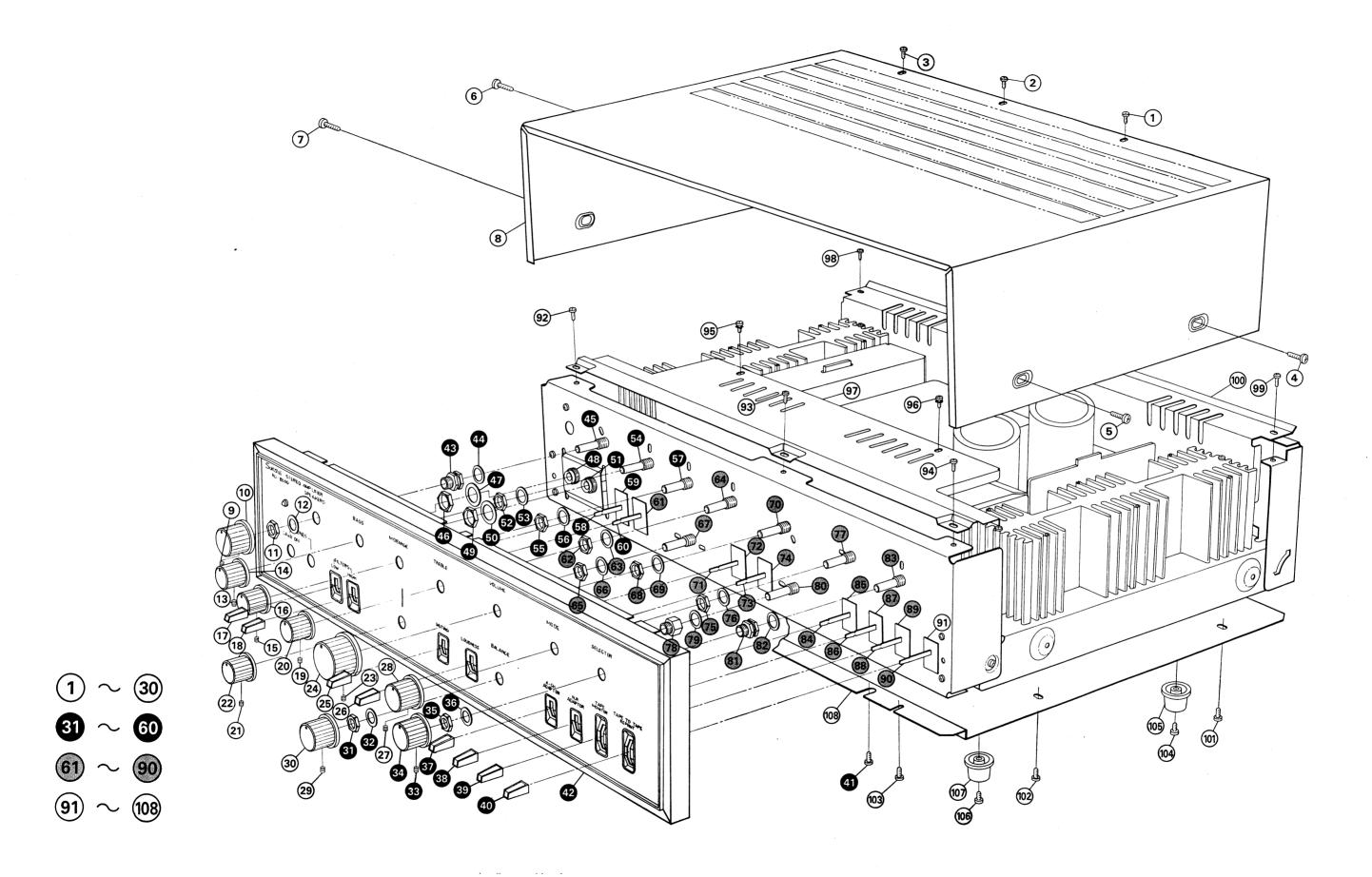
		BP.E.C	: ::	Bi-Pola Elecrol ytic Capacitor
		CC		Capacitor Ceramic Ca _{lac} stor
				Mica Capacior
	Resistor	O.C.		Oil Capacite
:	Mylar Capacitor	P.C.	:	Polystyrenega pacitor
:	Electrolytic Capacitor	T.C.	:	Tantalum Cipa citor
	: : :		: Solid Resistor : Cement Resistor : Metallized Film Mi.C. Resistor O.C. : Mylar Capacitor P.C.	: Solid Resistor : Cement Resistor : Metallized Film Mi.C. : Resistor O.C. : : Mylar Capacitor P.C. :

5-12. OTHER PARTS (Front Side)

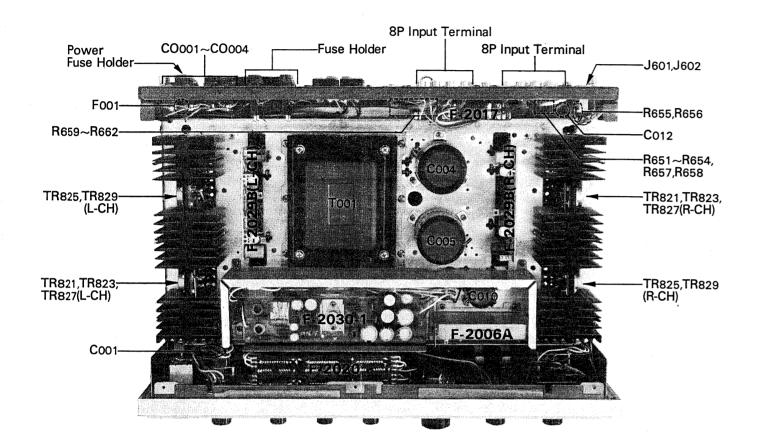
Parts List

Parts No,	Stock No.	Description
1	5101143	Binding Head Screw, M3 $ imes$ 6
2	5101143	Binding Head Screw, M3×6
3	5101143	Binding Head Screw, M3×6
4	5101161	Binding Head Screw, M4 × 6
5	5101161	Binding Head Screw, M4 × 6
6	5101161	Binding Head Screw, M4×6
7	5101161	Binding Head Screw, M4×6
8	5006272	Metal Bonnet
9 10	5217400	Hex Socket Setscrew, M4 × 0.7 × 6
11	5317422 5110781	B-5 Type Knob, speaker
12	5120184	Hex. Nut M9, speaker Plain Washer 9 ϕ , speaker
13	3120104	Hex Socket Setscrew, M4 × 0.7 × 6
14	5317402	Z-4 Type Knob, bass
15	0017 702	Hex Socket Setscrew, M4 × 0.7 × 6
16	5317402	Z-4 Type Knob, midrange
17	5326342	Button D, low filter
18	5326342	Button D, high filter
19		Hex Socket Setscrew, $M4 \times 0.7 \times 6$
20	5317402	Z-4 Type Knob, treble
21		Hex Socket Setscrew, M4 × 0.7 × 6
22	5317402	Z-4 Type Knob, midrange
23		Hex Socket Setscrew, $M4 \times 0.7 \times 6$
24	5317412	A-5 Type Knob, volume
25	5326342	Button D, muting
26	5326342	Button D, loudness
27		Hex socket Setscrew, M4 \times 0.7 \times 6
28	5317422	B-5 Type Knob, mode
29		Hex Socket Setscrew, $M4 \times 0.7 \times 6$
30	5317422	B-5 Type Knob, balance
31	5110781	Hex. Nut M9, balance
32	5120184	Plain Washer 9ϕ , balance
33 34	5217400	Hex Socket Setscrew, M4 × 0.7 × 6
35	5317422	B-5 Type Knob, selector Hex. Nut M9, selector
36	5110781 5120184	Plain Washer 9ϕ , selector
37	5326342	Button D, 4-ch adaptor
38	5326342	Button D, noise reduction adaptor
39	5326342	Button D, tape monitor
40	5326342	Button D, tape to tape reprint
41	5101143	Binding Head Screw, M3 × 6
42	5308521	Front panel
43	5176261	Spacer Nut D, M9
44	5120184	Plain Washer 9 ϕ , speaker
45	1102460	Rotary Switch N-2-2-6, speaker
46		Hex. Nut M12, jack
4 7		Plain Washer 12 ϕ , jack
48	2430230	Jack, headphone
49		Hex. Nut M12, Jack
50		Plain Washer 9 ϕ , Jack
51	2430220	Jack, headphone
52	5110781	Hex. Nut M9, bass
53	5120184	Plain Washer 9ϕ , bass
54 55	1102470	Rotary Switch F-2-2-11, bass
55 54	5110781	Hex. Nut M9, midrange
56 57	5120184	Plain Washer 9¢, midrange
57 50	1102470	Rotary Switch F-2-2-11, midrange
58 50	1170270	Lever Switch, low filter
59 6 0	5047470	Masking, lever switch
6 1	1170270 5047470	Lever Switch, high filter Masking, lever switch
	JU7/7/U	THE SKING, TOTAL SWITCH

Parts No.	Stock No.	Description
62	5110781	Hex. Nut M9, treble
63	5120184	Plain Washer 9 ϕ , treble
64	1102470	Rotary Switch F-2-2-11, treble
65	<i>5</i> 110781	Hex. Nut M9, midrange
66	5120184	Plain Washer 9 ϕ , midrange
67	1101490	Rotary Switch N-1-2-4, midrange
68	5110780	Hex. Nut M8, volume
69	5120183	Plain Washer 8ϕ , volume
70	1010580	250k Ω (B) $ imes$ 2, volume
<i>7</i> 1	1170270	Lever Switch, muting
72	5047470	Masking, muting
73	1170270	Lever Switch, Loudness
74	5047470	Masking, Loudness
75	5110781	Hex. Nut M9, mode
76	5120184	Plain Washer 9 ϕ , mode
<i>77</i>	1101191	Rotary Switch N-1-2-5, mode
78	5176251	Spacer Nut C, M8
79	5120183	Plain Washer, 8ϕ
80	1010870	250kΩ (MN)×2 Balance Volume
81	5176261	Spacer Nut D, M9
82	5120184	Plain Washer 9 ϕ , selector
83	1104270	Rotary Switch, Y-4-8-5
84	1170300	Lever Switch 4-Ch, adaptor
85	5047470	Masking, 4-Ch adaptor
86	1170300	Lever Switch, N.R. adaptor
8 <i>7</i>	5047470	Masking, N.R. adaptor
88	1170290	Lever Switch, tape monitor
89	5047470	Masking, tape monitor
90	1170290	Lever Switch, tape to tape reprint
91	5047470	Masking, tape to tape reprint
92	5101143	Binding Head Screw, M3 × 6
93	5101143	Binding Head Screw, M3 × 6
94	5101143	Binding Head Screw, M3×6
95	5101444	Binding Head SEMS C Screw, M3 x 8
96	5101444	Binding Head SEMS C Screw, M3 × 8
97	5057812	Shield Plate
98	5101143	Binding Head Screw, M3×6
99	5101143	Binding Head Screw, M3 × 6
100	5057821	Rear Panel Cover
101	5101061	Binding Head Screw, M4×6
102	5101061	Binding Head Screw, M4×6
103	5101061	Binding Head Screw, M4×6
104	5100665	Binding Head Tapping Screw, M4 x 16
105	5516821	Rubber Foot
106	5100665	Binding Head Tapping Screw, M4 x 16
107	5516821	Rubber Foot
108	5057833	Bottom Plate



5-13. OTHER PARTS (Top Side)



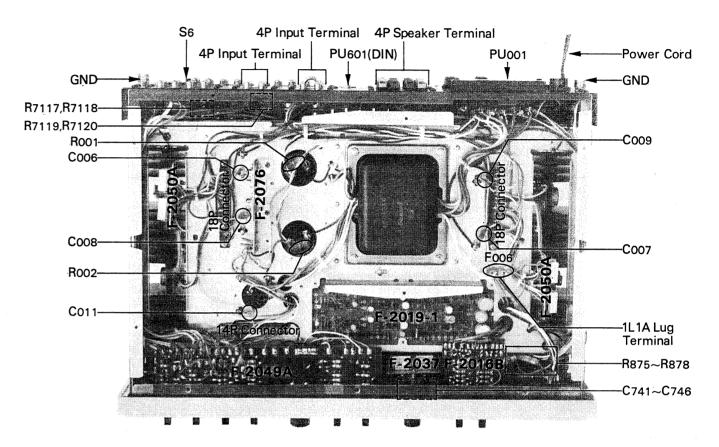
Top Side Parts List

Parts No.	Stock No.	Description
TR821	0305872	2SC984 (C))
TR823	0306200, 1	2SC1030(S) (A, B)
TR825	0300560, 1	2SA756(S) (A, B) Transistor
TR827	0306200, 1	2SC1030(S) (A, B)
TR829	0300560, 1	2SA756(S) (A, B)
C001	0605477	0.047 <i>μ</i> F 250V M.C.
C004	0559350	15000μF 50V)
C005	0559350	15000μF 50V C.C.
C010	0559839	1000μF 50V
C ₀₁₂	0800121	0.047 μF × 4 50V Capacitor Composite Parts
R651	0107563	56kΩ)
R652	0107563	56kΩ 1/14 6.2
R653	0107473	$\frac{30k\Omega^2}{47k\Omega}$ $\pm 10\%$ $\frac{1}{4}$ W C.R.
R654	0107473	47kΩ)
R655	0107104	100kΩ)
R656	0107104	100kΩ
R657	0107104	100kΩ (, s o , 1
R658	0107104	$100k\Omega$ $\pm 5\%$ ½W C.R.
R659	0107104	100kΩ
R660	0107104	100kΩ)

R661 R662 F001	0107224 0107224 0431270 0431290 2300060 0433290 2300020	$ \begin{array}{l} 220 \mathrm{k}\Omega \\ 220 \mathrm{k}\Omega \\ \end{array} \pm 5~\% ~~ \frac{1}{4} \mathrm{W} ~~\mathrm{C.R.} \\ 4 \mathrm{A~Power~Fuse~(220}{\sim}250 \mathrm{V})} \\ 6 \mathrm{A~Power~Fuse~(100}{\sim}127 \mathrm{V})} \\ \mathrm{Power~Fuse~Holder} \\ \mathrm{Wired-in~Fuse~(6A~250 \mathrm{V})} \\ \end{array} $
CO001		Fuse Holder AC Outlet
T001	4001350 2460070	Power Transformer PM Connector
	2200340	8P Input Terminal
		=Abbreviations===
S.R. : Ce.R. :	Carbon Resistor Solid Resistor Cement Resist Metallized Filn Resistor Mylar Capacito Electrolytic Ca	Capacitor or C.C. : Ceramic Capacitor Mi.C. : Mica Capacitor O.C. : Oil Capacitor or P.C. : Polystyrene Capacitor

Description

5-14. OTHER PARTS (Bottom Side)



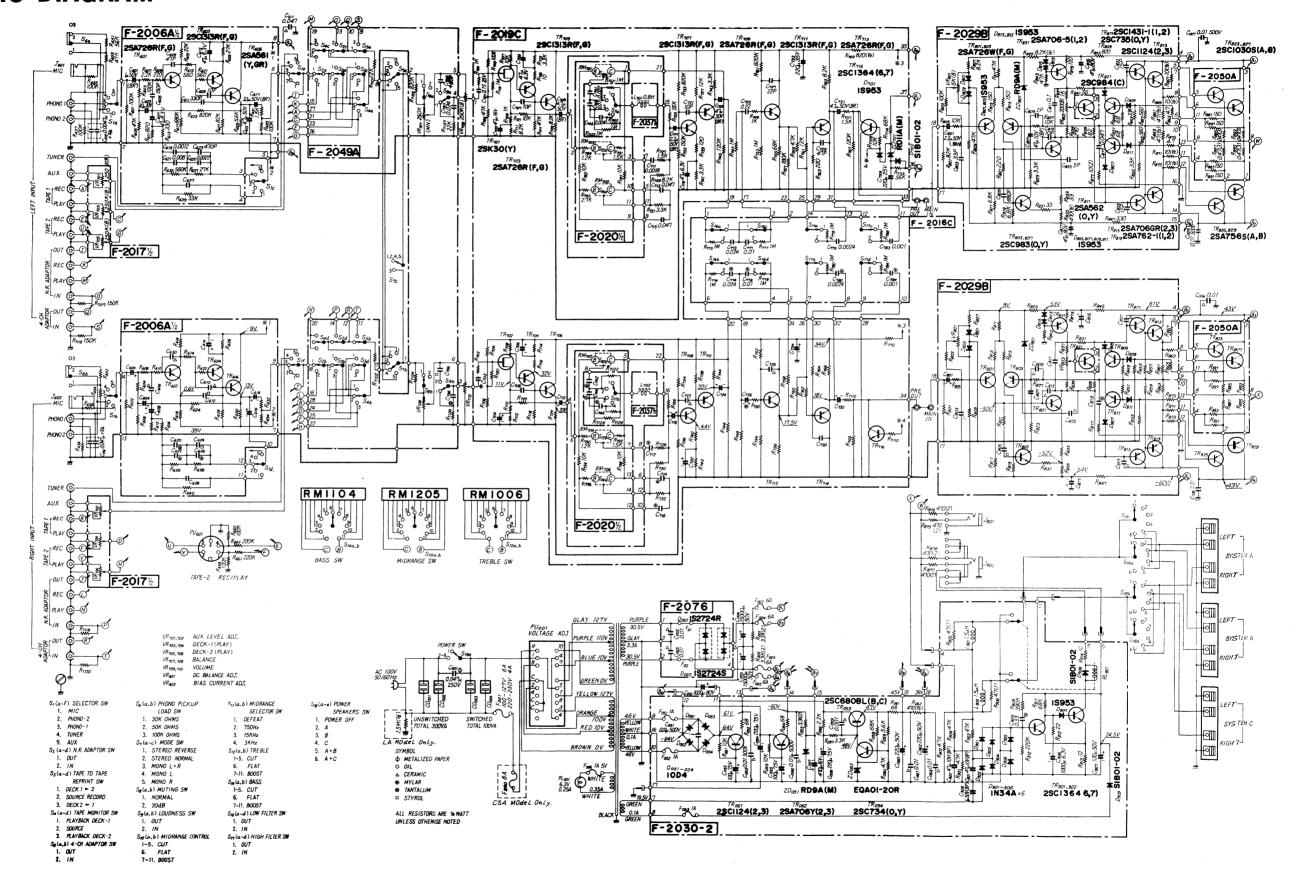
Bottom Side Parts List

Parts No.	Stock No.	Descripti	on
C006	0659011	0.01μF	500V)
C007	0659011	0.01 μF	500V
C ₀₀₈	0659011	0.01 <i>μ</i> F	500V C.C.
C009	0659011	0.01 <i>μ</i> F	500V
C ₀₁₁	0657473	0.047 <i>μ</i> F	50V)
C741	0600227	0.022μF)	
C742	0600227	0.022 <i>μ</i> F	
C743	0600107	$0.01 \mu F \left(\pm 5\% \right)$	50V M.C.
C744	0600107	$0.01 \mu F \left(\begin{array}{c} \pm 3 \% \\ \end{array} \right)$	50V M.C.
C745	0600406	0.004 <i>μ</i> F	
C746	0600406	0.004μF J	
R001	0105332	$3.3k\Omega$ $\pm 5\%$	2 W C.R.
R002	0105332	$3.3k\Omega$ $\pm 3\%$	2 W C.R.
R661	0107224	$220k\Omega$ $\pm 10\%$	1∕4 W C.R.
R662	0107224	220kΩ) ±10%	⅓W C.R.
R875	0152471	470Ω)	
R876	0152471	470Ω $\pm 10\%$	0.144
R877	0152471	470Ω \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	2 W Ce.R.
R878	0152471	470Ω)	
R7117	0107154	150kΩ) «	1/14/ 0.5
R 7118	0107154	$150k\Omega$ $\pm 5\%$	¼W C.R.

Parts No.	Stock No.	Description				
R7119	0107154	150kΩ)				
R 7120	0107154	$150k\Omega$ $\pm 5\%$ ¼W C.R.				
F006	0432830, 1	Wired-in Fuse (1A 250V)				
S ₆	1110110	Slide Switch				
	{ 2410170	Voltage Selector, socket				
PU001	2410190	Voltage Selector, plug (sub)				
	2410180	Voltage Selector, plug (main)				
PU601	2430040	DIN Connector				
	3800090	Power Cord				
	2200320	4P Input Terminal				
	2290100	4P Speaker Terminal				
	2420040	14P Input Terminal				
	2420020	18P Input Terminal				
	2230050	Ground Terminal				
	2110010	1L1A Lug Terminal				

6. SCHEMATIC DIAGRAM

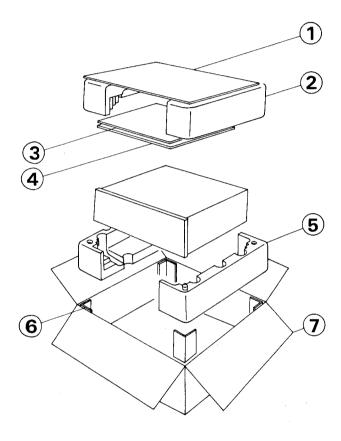
* Design and specifications subject to change without notice for improvements.



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7. PACKING LIST

Parts No.	Stock No.	Description	
1	9017220	Inner Packing	
2	9027713	Stylofoam Packing	
3	9017270	Sub Packing	
4	9017270	Sub Packing	
5	9027713	Stylofoam Packing	
6	9017250	Corner Packing	
7	9007282	Carton Case	



8. ACCESSORY PARTS LIST

Stock No.	Description
9406020	Polishing Cloth
0433290	6A Quick Acting Fuse
2410110	Pin Plug (red)
2410120	Pin Plug (white)
9226940	Operating Instruction Sheet
9206940	Operating Instructions

9. MAINTENANCE

9-1. Voltage Adjustment

The Voltage Selector on the rear panel enables you to operate at correct voltage in any arears. The voltage has been preadjusted at the factory, but can be easily changed as follows.

- 1. Remove the two screws securing the name plate on the rear, then remove the name plate.
- 2. Set the arrow mark on the Main Voltage Selector Plug to the new voltage: 100, 110, 117, 127, 220, 230, 240, or 250 volts.
- 3. If the new voltage is indicated in red, set the arrow mark on the adjacent Sub Voltage Selector Plug to "RED". If it is indicated in white, however, set that arrow to "WHITE".
- 4. Change the power fuse as well whenever the power supply voltage has changed. For 100~127 volts operation, use a 6-ampere grass-tubed fuse. For 220 ~250 volts operation, use a 4-ampere one.
- 5. Where the power supply voltage considerably fluctuates, the Main Voltage Selector Plug may be reset to avoid unpleasant side effects of such fluctuation. Reset it to the voltage immediately higher than the peak of the fluctuation.

